

Notice of Allowability

Application No.

10/696,407

Examiner

Rudy Zervigon

Applicant(s)

LIN ET AL.

Art Unit

1763

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Applicant's solicited fax transmission of November 22, 2005.
2. ☒ The allowed claim(s) is/are 1,5-11 and 15-17.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 10/29/2003
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 20051126.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Election/Restrictions

1. Applicant's election of Group I, claims 1-17 in the reply filed on September 6, 2005 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Richard A. Paikoff on November 21, 2005.

The application has been amended as follows:

IN THE CLAIMS:

Claim 1 (Currently Amended): In the fabrication of semiconductor integrated circuits, a ventilation system, comprising: (a) a sleeve device having at least one aperture thereon for gas transfer, wherein the sleeve device comprises a first and second sleeve connected thereto; (b) a ventilator coupled to the sleeve device; and (c) a sensor coupled to the second sleeve device, wherein the sensor is adapted to generate a signal to control the ventilator when the sensor senses a relative movement between the first sleeve and the second sleeve.

Claims 2-4 (Cancelled)

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Claim 5 (Previously Presented) The ventilation system of claim 1, wherein the at least one aperture is on an inner wall of the sleeve device.

Claim 6 (Previously Presented) The ventilation system of claim 1, wherein the sleeve device is connected to a pipeline.

Claim 7 (Previously Presented) The ventilation system of claim 6, wherein the sleeve device is adjacent to a gas outlet that is connected to the pipeline.

Claim 8 (Previously Presented) The ventilation system of claim 7, wherein the sleeve device and the pipeline are substantially coaxial.

Claim 9 (Previously Presented) The ventilation system of claim 1, wherein the ventilator is coupled to an outer wall of the sleeve device.

Claim 10 (Previously Presented) The ventilation system of claim 7, wherein the sensor is adapted to generate a signal to control the ventilator when the sensor senses a relative movement between the sleeve device and the gas outlet.

Claim 11 (Currently Amended) In the fabrication of semiconductor integrated circuits, a ventilation system, comprising: (a) a sleeve device connected to a pipeline, having at least one aperture on an inner wall thereof, wherein the sleeve device comprises a first and second sleeve connected thereto;; (b) a ventilator coupled to an outer wall of the sleeve device; and (c) a sensor coupled to the second sleeve device, wherein the sensor is adapted to generate a signal to control the ventilator when the sensor senses a relative movement between the first sleeve and the second sleeve.

Claims 12-14 (Canceled)

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Claim 15 (Previously Presented) The ventilation system of claim 11, wherein the sleeve device is adjacent to a gas outlet that is connected to the pipeline.

Claim 16 (Previously Presented) The ventilation system of claim 11, wherein the sleeve device and the pipeline are substantially coaxial.

Claim 17 (Previously Presented) The ventilation system of claim 15, wherein the sensor is adapted to generate a signal to control the ventilator when the sensor senses a relative movement between the sleeve device and the gas outlet.

Claims 18-21 (Canceled)

Allowable Subject Matter

3. Claims 1, 5-11, and 15-17 are allowed.

4. The following is a statement of reasons for the indication of allowable subject matter:

The closest prior art to the presently claimed application is to Nee; Gerard J. (US 5,312,137 A).

In particular, Nee teaches a ventilation system (Figure 4; column 6; lines 8-54), comprising: (a) a sleeve device (12; Figure 4; column 6; lines 8-54) having at least one aperture (50; Figure 4; column 6; lines 8-54) thereon for gas transfer; (b) a ventilator (82; Figure 4; column 7; lines 23-46) coupled to the sleeve device (12; Figure 4; column 6; lines 8-54); and (c) a sensor (80, 82; Figure 4; column 7; lines 23-46) coupled to the sleeve device (12; Figure 4; column 6; lines 8-54), as originally claimed by claim 1. However, Nee does not teach or fairly suggest Applicant's original claim 4 limitation of wherein the ventilation system (Figure 4; column 6; lines 8-54) of claim 3, wherein the sensor (80, 82; Figure 4; column 7; lines 23-46) is adapted to generate a signal to control the ventilator (82; Figure 4; column 7; lines 23-46) when the sensor (80, 82; Figure 4; column 7; lines 23-46) senses a relative movement between the first sleeve and the

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second sleeve (16; Figure 4; column 5, lines 16-36). Additionally, see the Examiner's fax correspondence with Richard A. Paikoff on November 21, 2005.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US 20020023677 A1

US 6430988 B1

US 6326574 B1

US 6234221 B1

US 5957503 A

US 5831149 A

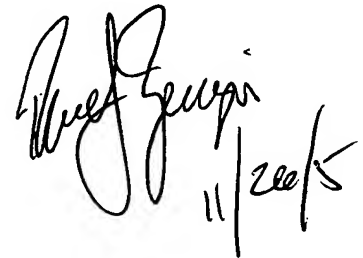
US 5489124 A

US 5312137 A

US 4282743 A

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Rudy Zervigon whose telephone number is (571) 272.1442. The examiner can normally be reached on a Monday through Thursday schedule from 8am through 7pm. The official fax phone number for the 1763 art unit is (703) 872-9306. Any Inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Chemical and Materials Engineering art unit receptionist at (571) 272-1700. If the examiner can not be reached please contact the examiner's supervisor, Parviz Hassanzadeh, at (571) 272-1435.



The block contains a handwritten signature, which appears to be 'Rudy Zervigon', followed by the date '11/22/15'.